

WHAT IS CLAIMED IS:

1. An electronic apparatus comprising:
a heat-generating component;
a heat receiving portion thermally connected to
5 the heat-generating component;
a heat radiating portion to radiate heat generated
by the heat-generating component; and
a circulation pipe to circulate a liquid coolant
between the heat receiving portion and the heat
10 radiating portion, a part of the circulation pipe
including pipes different from the other part in inside
diameter.
2. An electronic apparatus according to claim 1,
wherein said part of the circulation pipe has an odd-
15 shaped circulation pipe having an inside diameter
smaller than that of the other part of the circulation
pipe.
3. An electronic apparatus according to claim 1,
wherein said part of the circulation pipe has a
20 plurality of parallel odd-shaped circulation pipes
having inside and outside diameters smaller than that
of the other part of the circulation pipe.
4. An electronic apparatus according to claim 1,
wherein said part of the circulation pipe has an odd-
25 shaped circulation pipe having an outside diameter
larger than that of the other part of the circulation
pipe.

5. An electronic apparatus according to claim 1, wherein said part of the circulation pipe is formed of a material different from that of the other part of the circulation pipe and is elastic.

5 6. An electronic apparatus according to claim 1, which further comprises a protective cover which covers said part of the circulation pipe.

7. An electronic apparatus comprising:

a first casing;

10 a heat-generating component arranged in the first casing;

a heat receiving portion located in the first casing and thermally connected to the heat-generating component;

15 a second casing connected to the first casing by a hinge portion;

a heat radiating portion to radiate heat generated by the heat-generating component, the heat radiating portion being located in the second casing and having a
20 coolant passage; and

a circulation pipe to circulate a liquid coolant between the heat receiving portion and the heat radiating portion, the circulation pipe extending through the hinge portion and spans the boundary
25 between the first and second casings, and that part of the circulation pipe which passes through the hinge portion including pipes different from the other part

in inside diameter.

8. An electronic apparatus according to claim 7,
wherein the second casing is supported on the first
casing by a pair of hinge portions, and the circulation
5 pipe includes a first circulation pipe extending from
the heat receiving portion to the heat radiating
portion through one of the hinge portions and a second
circulation pipe extending from the heat radiating
portion passing through the other hinge portion, each
10 of the first and second circulation pipes having said
part of the circulation pipe.

9. An electronic apparatus according to claim 7,
wherein the second casing constitutes a display unit
provided with a display panel.

15 10. An electronic apparatus according to claim 7,
wherein said part of the circulation pipe has an odd-
shaped circulation pipe having an inside diameter
smaller than that of the other part of the circulation
pipe.

20 11. An electronic apparatus according to claim 7,
wherein said part of the circulation pipe has a
plurality of parallel odd-shaped circulation pipes
having inside and outside diameters smaller than those
of the other part of the circulation pipe.

25 12. An electronic apparatus according to claim 11,
wherein the odd-shaped circulation pipes are bonded to
and formed integrally with one another.

13. An electronic apparatus according to claim 11,
wherein the odd-shaped circulation pipes are formed
independently of one another.

14. An electronic apparatus according to claim 7,
5 wherein said part of the circulation pipe has an odd-
shaped circulation pipe having an outside diameter
larger than that of the other part of the circulation
pipe.

15. An electronic apparatus according to claim 7,
10 wherein the circulation pipe has a circular cross
section, and said part of the circulation pipe has an
odd-shaped circulation pipe having a substantially
elliptic cross section.

16. An electronic apparatus according to claim 7,
15 wherein said part of the circulation pipe is formed of
a material different from that of the other part of the
circulation pipe.

17. An electronic apparatus according to claim 7,
wherein said part of the circulation pipe is formed
20 integrally of the same material with the other part of
the circulation pipe.

18. An electronic apparatus according to claim 7,
wherein said other part of the circulation pipe and
said part of the circulation pipe are connected by a
25 pipe joint.

19. An electronic apparatus according to claim 7,
which further comprises a protective cover which covers

said part of the circulation pipe.

20. An electronic apparatus according to claim 19, wherein the protective cover is fixed to one of the first and second casings.